TRI-CAPTAINS for this year's girls' basketball team have been chosen at ACHS, according to coach Mary Tolley. The new tri-captains, shown above, are (from left) Robin Martin, Karen Johnson, and Susan Handy. The girls begin their basketball season Dec. 2.

At ACHS

Girls set for new season

The Appomattox County High School Raiderettes are working hard getting ready for the opening basketball game against Gretna on Dec. 2 at Grtena High School, according to Mary Tolley, coach.

"The team hopes to improve its 10-6 district record from last year," said Tolley, "and the girls are working to improve the offensive output (43 points a game) and to continue to better the defensive game (allowed 40 points a game.

"The team will be limited in height again this year in comparison to our opponents," said Tolley, "so we will once again depend on speed, quickness, hustle, and ther desire to win."

Returning lettermen are Susan Handy, (senior); Robin Martin, (senior); Karen Johnson, (senior); Tri captains, Rhonda Jaggers, (junior); Lolita Preston, (junior); and Ruby Smith sophomore).

Others returning are Janis Richardson and Angie Murray (juniors). Up from the JV level are Kim McCrath, Robin Paulette and Cheryl Williams (sophomores) and Sandra Watkins (freshman).

For a closer look at the raiderettes– Susan Handy, 5'6 forward is becoming a scourt leader. She averaged eight points a game last year. Robin Martin, 5'9 center, saw limited action last year due to a broken ankle before the first game. Robin has a good outside shot and is a good team leader. Karen Johnson, 5'5 forward/guard will see a lot of action in both positions and because of this she will be a key player.

Lolita Preston, 5'3 guard who saw limited action last year is improving rapidly. She is very quick and will be a definite help defensively.

Rhonda Jaggers, 5'7 forward has shown a lot of improvement since last year. Has a good perimeter shot; good rebounder. Ruby Smith, 5'5 guard is fast, quick, good defense, point guard will hopefully become a floor leader. Needs time to develop and has good shot.

Janis Richardson 5'9 center, looking much better; working hard. Angie Murray, 5'2 guard,very good outside shot.

Kim McGrath, 5'8, Robin Paulette, 5'5 Cheryl Williams, 5'3 and Sandra Watkins 5'7 are new to the team

Bishop to visit

Numerous activities have been scheduled this week and next for members of Our Lady of Peace Catholic Church.

While there will be no mass celebrated at the church on Thanksgiving Day, there will be a special prayer service Wednesay evening at 7 p.m. at the Holy Cross Church in Lynchburg, and mass will be celebrated Thanksgiving Day at Holy Cross Church in Lynchburg, also.

Next Tuesday, Dec. 2, Bishop Walter Sullivan, bishop of the Diocese of Richmond, will visit in Appomattox and Lynchburg.

He will be at Our Lady of Peace Catholic Church at theOakville Ruritan building on Route 26, at 11 a.m. Tuesday.

Also visiting then will be Father Anthony Warner, pastor, Father Joseph Lehman, associate pastor, and Dr. William Johnston, minister of religious education of Holy Cross Church.

The Parish Life Committee will host a covered-dish luncheon during the visit Tuesday. All parisioners are urged to attend this event.

Anderson to visit

Delegate Claude W. Anderson will be the guest speaker at Appomattox County High School on Monday, Jan. 5 at 7:30 p.m. in the school band room.

Among other things, he will be discussing upcoming legislation in the General Assembly, after which there will be a question-and-aswer session.

A special invitation is being issued to government students, who should find this session very educational. In addition, members of the general public interested are invited to attend.

Daye, other ACHS grid stars honored

Ernest Daye of Appomattox County High School was named to the Region III all-region football team's first team defense this week, according to a release from the Virginia High School League's Region III headquarters.

In addition, Daye was named to the first team defense in the Seminole District's all-district polling, according to a release last week from the Seminole District headquarters.

Daye was cited for his prowess as a defensive end in both instances. An additional laurel garnered by the Raider gridder was that of "Lineman of the Year" in the Seminole District, an honor he shares with Kenny Fuqua of Jefferson Forest.

Daye also received honorable mention in the polling for all-district offensive teams, according to the release from the Seminole District.

Other Raider players honored in the Seminole District voting were as follows: Second team offense –Roy Trent (tackle) and Dennis Fleshman (running back); Second team defense – William Scott (linebacker) and Kevin Ferguson (defensive back); Honorable Mention, offense – Ernest Daye (end), Kevin Ferguson (quarterback), Pete McIvor (running back); Honorable mention, defense – Jeff Miller (defensive end), K. W. Burks, (defensive tackle), Roy Trent and Tim Bennett (linebackers), and Tommy Smith (defensive back).

Ford KO's opponent

Gordon Ford of Appomattox knocked out Stafford Gilford with 42 seconds gone from the second round Saturday in an amateur boxing match sponsored by the Fraternal Order of Police in Durham, N. C.

Ford overcame Gilford's 18-pound weight advantage and reach advantage with a flurry of body punches early in the fight to defeat his opponent.

Ford, who boxes with the Fraternal Order of Police boxing club in Lynchburg, is slated to fight in Rocky Mount, Va., this coming weekend if an opponent can be found.

Ford boxes in the 165-pound weight class.

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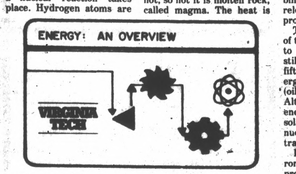
The fossil fuel story

Almost all energy we use comes from fossil fuels–chemicalenergy. But there are four other main sources of eenergy available to us. They are solar, tidal, nuclear, and geothermal power.

Most of the energy that we get from the sun is radiant, (wave) energy. Sunlight is composed of waves of solar energy we can see.

The sun's energy is thermonuclear in origin. This means that the sun's interior is hot enough so that a nuclear reaction takes place. Hydrogen atoms are



combined to form helium, with radiant energy as a byproduct. Those waves of energy travel through space, and some of them are directed at earth.

Much of the radiant energy aimed at the earth is reflected back into space, but a portion enetering the atmosphere is absorbed by the air, the seas, and the land, increasing their energy.

The amount of solar energy that reaches the earth is so great, an hour's worth is equivalent to all of the energy that people throughout the world use in a year.

Sunlight can be put to work directly for heating, (space or water), and can also be converted to electricity using "Photovoltaic" cells, although that process is currently too costly for widespread use.

Getting energy' from the wind, water, waves, or wood is also way of tapping solar energy. Radiant energy from the sun is the source for the motion of sind and waves . The suns heat evaporates water and the winds carry it over the land; it rains down and replenishes the rivers, we dam to provide us with water, (hydro) power. Sunlight provides food energy for plants, making wood and other plant material("biomass") sources of stored solar power.

Geothermal energy comes from within the earth. Beneath the ground, the earth's interior is extremely hot, so hot it is molten rock, called magma. The heat is maintained by the natural radioactive material found in the ground, making geothermal energy a type of nuclear energy, in a way.

The heat of geothermal energy can be mixed for our use, particularly in places where it is close to the ground surface, as in volcanoes, geysers, and hot springs.

Tidal energy, from the rising and falling of the earth's seas, is caused by the interaction of the earth and its moon. Where the tides are very high, a type of hydroelectric plant can be built to harness the energy of the water's motion.

Nuclear energy is a form of potential energy stored in the nucleus of an atom. Nuclei are made up of smaller particles called protons and neutrons. When these particles are rearranged, to split a nucleus or form a new one, energy is released.

There are two types of nuclear reactions that produce energy. The first, the fission reaction, is the basis for the nuclear reactors in use today. A heavy atom is split into two lighter ones, and energy is released.

The breeder reactor is a type of fission reactor. It produces more fuel than it uses, which is why it is called a "Breeder."

The fusion reaction is the one thay powers the sun. Scientiests are still trying to harness fusion power for controlled energy production on earth. In this reaction, lighter nuclei combine to form a heavier one, releasing energy in the process.

Today we are using each of these four energy sources to a limited extent, but we still rely most heavily on fifth source....chemical energy from the fossil fuels (oil, coal and natural gas). Although we have plenty of energy available to us from solar, geothermal, tidal and nuclear sources, making the transition is the problem.

Reference: "Energy-Environment Source Book" a product of the National Science Teachers Association Energy-Environment Materials Project, John M. Fowler, Director.

This article is part of a course on energy offered by the Virginia Tech Mechanical Engineering Department and the Cooperative Extension Service.

Transco hits natural gas

Transco Exploration Company has discovered natural gas at High Island Block A-552, offshore Texas. The company plans to order an 8-pile, 12-slot platform for installation in the first quarter of 1982 for development drilling and production. Initial production from the platform is estimated to begin in the second half of 1983.

Two exploratory wells have been drilled on the block. The first was drilled in the Southwest corner to a total depth of 5,180 feet and discovered 136 feet of net gas pay. The second well was drilled 6,100 feet north of the discovery well to a depth of 6,000 feet and discovered 175 feet of net gas pay.

Transco, as operator, leased the block at Federal sale number 51 in December 1978 for a bonus payment of $7,342,000. The wholly owned subsidiary of Transco Companies Inc. holds a 50% working interest in the block. Freeport Oil Company, a wholly owned subsidiary of Freeport Minerals Company, holds a 35% interest and Energy Development Corporation, a wholly owned subsidiary of Public Service Electric and Gas Company, holds 15% interest.

AES Menu

Dec. 1 - Beef Ravioli casserole, green peas, hot rolls, apricots, milk.

Dec. 2 - Sausage patties, hot rolls, green beans, creamed potatoes, sliced peaches, milk.

Dec. 3 - Spaghetti w/meat sauce, tomato and lettuce salad w/dressing, hot rolls, crushed pineapple, milk.

Dec. 4 - Pork barbecue on bun, french fries, green peas, sliced peaches, milk.

Dec. 5 - Fish filet, hot rolls, cole slaw, lima beans, sliced peaches, milk.

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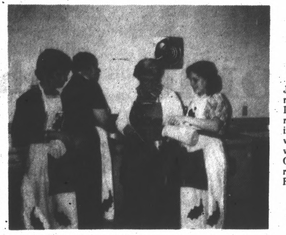

MEMBERS OF ST. ANNE'S Church are shown above planning for the food booth at the bazaar to be held at the church on Saturday, Nov. 29. From left to right are Cheryl McDearmon, Grace Miner, Loee Wallis and Evelyn Ford. Mrs. Wallis and Mrs. Ford are co-chairmen of the bazaar. Miss Edith O'Brien (not pictured) is chairman of the food booth.

At St. Anne's

Bazaar this Sat.

The annual church bazaar at St. Anne's Episcopal Church in Appomattox will have an added feature this year: Santa Claus will be on hand from 11:30 until 12:30 so that the children may have their pictures taken sitting on his lap.

Why drive to Richmond or Lynchburg to have your Santa photos made when a professional photographer will be right in town to take them? Pictures will be 5" x 7" for $3.00 or 8 wallet-sized and 2 large photos will be $10.00. Mothers, dress your youngsters and bring them over Saturday, Nov. 29.

During the morning hours from 9:30 on, crafts, Christmas decorations, and baked items will be on sale. At 6:30 p.m. a delicious barbeque dinner will be served followed by an exciting auction sale.

Some items to be auctioned include a bicyle, deep freeze, dressing table, glassware and antiques ranging from a small miner's lantern to an empire table.

The public is invited to all functions pertaining to the bazaar so make plans to attend this once a year event.

Mathews gets VMI ring

Cadet John A. Mathews, Jr., of Appomattox, a member of Virginia Military Institute Class of 1982, received his VMI class ring in a formal ceremony during weekend festivities that were held Nov. 21-22. Official presentation of the rings was made by Lt. Gen. Richard L. Irby, Institute superintendent.

A VMI ring, which carries great significance to alumni of the Institute, was presented individually to each second classman (junior) during a Friday afternoon ceremony attended by family and dates of the nearly 300 members of the class. None of the rings were worn, however, until Friday evening when they were presented a second time during the traditional ring figure dance, a high point in cadet life at VMI.

Cadet Mathews, a graduate of Prince Edward Academy, is the son of Dr. and Mrs. John A. Mathews, of Appomattox.

Va. Farm Bureau sets meeting

The Virginia Farm Bureau Federation will hold its annual meeting at the John Marshall Hotel in Richmond December 7, 8 and 9.

Featured speakers at this year's meeting include Virginia's Attorney General J. Marshall Coleman; Vernie Glasson, Director of the National Affairs Division of the American Farm Bureau Federation and Bob Richards, former Olympic Champion.

In addition to the speakers, participants at this year's meeting will have the opportunity to take part in a two hour Resource Management Program that will deal with natural and environmental resource issues at the kick off portion of the meeting at 2 p.m. Sunday afternoon.

The convention is expected to attract nearly 1,000 farm leaders. Thre result of the conference will be the formulation of official Virginia Farm Bureau Policy.

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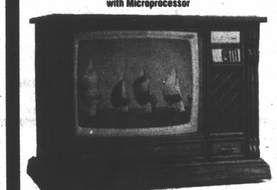

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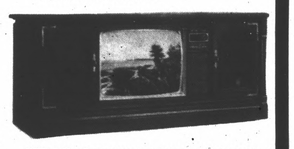

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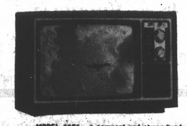

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